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PTO/SB/05 (2/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. **98-0645.1**First Inventor or Application Identifier **TONGBI JIANG**Title **METHOD FOR FABRICATING BGA PACKAGE...**Express Mail Label No. **EE 697 314 553US****APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Specification [Total Pages **24**]
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. Drawing(s) (35 U.S.C. 113) [Total Sheets **6**]
4. Oath or Declaration [Total Pages **3**]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
 - i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
5. Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

 Continuation Divisional Continuation-in-part (CIP)of prior application No. **09/191,215**Prior application information: Examiner **Nadav, O.**Group / Art Unit: **2811****18. CORRESPONDENCE ADDRESS** Customer Number or Bar Code Labelor Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name	Stephen A. Gratton				
	THE LAW OFFICE OF STEPHEN A. GRATTON				
Address	2764 South Braun Way				
City	Lakewood		State	CO	Zip Code
Country	US	Telephone	303 989 6353		Fax 303 989 6538

Name (Print/Type)	Stephen A. Gratton	Registration No. (Attorney/Agent)	28,418
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Signature			
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Date **March 1, 1999**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$ 838.00)

Complete If Known

Application Number	
Filing Date	March 1, 1999
First Named Inventor	Tongbi Jiang
Examiner Name	O. Nadav
Group / Art Unit	2811
Attorney Docket No.	98-0645.1

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number	07-1857
Deposit Account Name	

Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17 Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance

2. Payment Enclosed:

Check Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity			
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid	
101	790	201	395	Utility filing fee
106	330	206	165	Design filing fee
107	540	207	270	Plant filing fee
108	790	208	385	Reissue filing fee
114	150	214	75	Provisional filing fee
SUBTOTAL (1) (\$)				760

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims			
Multiple Dependent			
13	-20** = 0	x 18	= 0
4	- 3** = 1	x 78	= 78

**or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description		
103	22	203	11	Claims in excess of 20
102	82	202	41	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	82	209	41	** Reissue independent claims over original patent
110	22	210	11	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)				78

3. ADDITIONAL FEES

Large Entity	Small Entity			
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid	
105	130	205	65	Surcharge - late filing fee or oath
127	50	227	25	Surcharge - late provisional filing fee or cover sheet
139	130	139	130	Non-English specification
147	2,520	147	2,520	For filing a request for reexamination
112	920*	112	920*	Requesting publication of SIR prior to Examiner action
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action
115	110	215	55	Extension for reply within first month
118	400	218	200	Extension for reply within second month
117	950	217	475	Extension for reply within third month
118	1,510	218	755	Extension for reply within fourth month
128	2,060	228	1,030	Extension for reply within fifth month
119	310	219	155	Notice of Appeal
120	310	220	155	Filing a brief in support of an appeal
121	270	221	135	Request for oral hearing
138	1,510	138	1,510	Petition to institute a public use proceeding
140	110	240	55	Petition to revive - unavoidable
141	1,320	241	660	Petition to revive - unintentional
142	1,320	242	660	Utility issue fee (or reissue)
143	450	243	225	Design issue fee
144	670	244	335	Plant issue fee
122	130	122	130	Petitions to the Commissioner
123	50	123	50	Petitions related to provisional applications
128	240	128	240	Submission of Information Disclosure Stmt
581	40	581	40	Recording each patent assignment per property (times number of properties)
146	790	248	395	Filing a submission after final rejection (37 CFR 1.129(a))
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))

Other fee (specify) _____

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name

Stephen A. Gratton

Reg. Number 28,418

Signature



Date

3/1/99

Deposit Account

User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXPRESS MAIL #EE 697 314 553US

Date of Deposit: March 1, 1999

CERTIFICATE OF MAILING BY EXPRESS MAIL
UNDER 37 C.F.R. §1.10

I hereby certify that this divisional application in the names of TONGBI JIANG and EDWARD SCHROCK entitled "METHOD FOR FABRICATING BGA PACKAGE USING SUBSTRATE WITH PATTERNED SOLDER MASK OPEN IN DIE ATTACH AREA" along with a Utility Patent Application Transmittal; a Fee Transmittal; a check in the amount of \$838.00 for the filing fee; a copy of the patent specification (pages 1-24), drawings (6 sheets), a "Declaration and Power of Attorney for Patent Application (Joint Inventors)" in the prior application (Serial No. 09/191,215); a Change of Address for Correspondence; a Preliminary Amendment dated March 1, 1999 (pages 1-2); an Information Disclosure Statement along with copies of the cited references; and a return receipt postcard are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to the Assistant Commissioner of Patents, BOX PATENT APPLICATION, Washington, D.C. 20231.

DATED this 1st day of March, 1999.



Stephen A. Gratzon, No. 28,418
Attorney for Applicants

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Telephone: (303) 989 6353
Fax: (303) 989 6538

Docket No. 98-0645.1

Change of
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

TONGBI JIANG
EDWARD SCHROCK

Serial No.:

Division of Serial No.
09/191,215 filed November 12, 1998

Art Unit: 2811

Filing Date: March 1, 1999

Examiner: NADAV, O.

Title: METHOD FOR FABRICATING BGA
PACKAGE USING SUBSTRATE WITH
PATTERNEDE SOLDER MASK OPEN IN
DIE ATTACH AREA

Attorney Docket No.: 98-0645

CHANGE OF ADDRESS FOR CORRESPONDENCE
March 1, 1999

Commissioner of Patents and Trademarks
BOX PATENT APPLICATION
Washington, D.C. 20231

Sir:

Please direct all correspondence in connection with the
above-identified patent application to the following address:

STEPHEN A. GRATTON
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Respectfully submitted:


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DATED this 1st day of March, 1999.

Respectfully submitted:



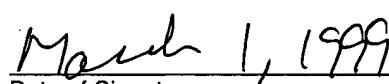
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CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Express Mail No. EE 697 314 553US
Date of Deposit: March 1, 1999

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Address" Service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents, Box Patent Application, Washington, D.C. 20231.



Date of Signature



Stephen A. Gratton
Attorney for Applicant